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*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

(54) Title: **POLYMORPHIC FORMS OF NALTREXONE**

(57) Abstract: This invention relates to the discovery of novel polymorphic forms of naltrexone, including solvates, hydrates, anhydrous and other crystalline forms and combinations thereof. These novel forms of naltrexone impart advantages in pharmaceutical formulations incorporating them, including sustained release, or long acting, formulations.



**WO 2004/108084 A3**

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/17496

## A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : A61K 31/485

US CL : 514/282, 326

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 514/282, 326

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
Please See Continuation Sheet

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y --- X	US 6,264,987 B1 (WRIGHT et al .) 24 July 2001 (24.07.2001), col. 8 ,lines 45-47, col. 7, lines 63-65.	47-60 ----- 13-16
X	US 6,277,859 B1 (NAGASE et al ) 21 August 2001 (21.08.2001), col. 81, lines 18-20).	17-19
X	US 4,141,897 A (OLOFSON et al.) 27 February 1979 (27.02.1979), col. 20 ,lines 55-57.	26-28
X --- Y	US 6,228,863 B1 (PALERMO et al.) 08 May 2001 (08.05.2001), col. 26, lines 50-55.	1-12, 20-22, and 26-28 ----- 47-60



Further documents are listed in the continuation of Box C.



See patent family annex.

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"X"

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document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&amp;"

document member of the same patent family

Date of the actual completion of the international search

30 October 2004 (30.10.2004)

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# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/US04/17496

## Continuation of B. FIELDS SEARCHED Item 3:

West search done : polymorph, naltrexone, toluene, hexane, acetone, ethylacetate, methanol, dichloromethane, ethanol, acetone, dimethylformamide, benzyl alcohol, ethanolate.